

### **Amendments to the Specification**

Please replace paragraph [00050] (from "Tooth Anatomy") with the following amended paragraph.

A better understanding of the invention may be had with reference to basic tooth anatomy as illustrated in Figure 1. The tooth includes a crown region 25 located above the gum 50, a neck region 35 in the vicinity of the gum 50, and a root region 45 located beneath the gum 50. Enamel 15 covers the crown 25 of the tooth. Cementum 55 anchors the tooth in the bone 60 through the periodontal ligament 65. Dentin 20 is the microscopically porous hard tissue under the enamel 15 and the cementum 55 and is comprised of a combination of a porous mineral matrix and living cells. Pulp tissue 70 is located beneath the dentin 20 in a pulp chamber that has a coronal region 72 and a radicular (root canal) region 75 ending at the foramen (hole) 90 at the end of the root where the pulp tissue 70 becomes continuous with the periodontal ligament.

Please replace paragraph [00051] with the following amended paragraph.

The dental pulp 70 consists of loose connective tissue derived from ectomesenchymal cells and is confined within the coronal region 80 and root canals 75 of the tooth. The pulp 70 contains cells that provide odontogenic, nutritive, sensory, and defensive functions to the mature pulp 70 and allows for preservation of vitality during normal homeostatic maintenance and during wound repair after injury.

Please replace paragraph [00332] with the following amended paragraph:

Wafers containing BMP-7 are prepared by a modification of a previously described double-emulsion technique (Cohen et al., 1991). In brief, a 75/25 copolymer of poly-(D,L-lactic-co-glycolic) acid (Resomer RG 75R, intrinsic viscosity 0.2; Henley Chem. Inc., Montvale, N.J.) is dissolved in ethyl acetate (Fisher Scientific) to yield a 5% solution (w:v). Recombinant human BMP-7 ~~obtained from \_\_\_\_\_~~ is dissolved in water to yield a solution of 2 mg/ml, and 50 ml of the BMP-7 solution is added to 1 ml of the polymer solution. The polymer/BMP-7 solution is sonicated continuously at 10 watts (Vibracell; Sonics and Materials, Danbury, Conn.) for 15 sec to yield a single emulsion.